Appln No. 09/539,197
Amdt date June 30, 2004
Reply to Office action of April 7, 2004

## Amendments to the Specification:

Please replace the paragraph beginning on page 18, line 4 with the following rewritten paragraph:

Figure 6 is a block diagram of another embodiment for a multi-channel, multi-service debugging system 600. Referring to Figure 6, system 600 may have a number of processing elements (or constructs) (610) running within a cluster 202. executing service 610 real embodiment. may run a application and debugger 660 may run a control task or operating system task. A number of executing services 610 may be running within basic functional unit (PE) 670. PE includes save stub 662 and restore stub 664. Save stub 662 is an executable program written to save the minimum state of construct 610. Restore stub 664 restores the minimum state from memory 620. The minimum PE state (MPES) is a minimum amount of executing service 610 state registers which are saved and restored in order to halt service 610 execution and restart it again without altering the functional behavior of service 610. Debug Debugger 660 runs on a processor other than the PE 670. Debugger 660 interacts with save stub 662 and restore stub 664 to read and/or modify service 610 state information and control service 610 execution.